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CANADA
1914

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ONTARIO SEED CO.

SUCCESSORS

Catalog 1914

Best Home Grown and Imported SEEDS

WATERLOO ONTARIO

ONTARIO SEED CO. SUCCESSORS

WATERLOO, ONTARIO

JACOB UFFELMAN, PROP.

1914 CATALOGUE

OF CANADIAN GROWN AND IMPORTED SEEDS, ETC.

IN handing you our catalogue for 1914, we take the opportunity of thanking our customers for their support and specially thank the many who have let us know that we have made good.

We do not believe in going in for any extraordinary expenditure for getting business. We let our seeds speak for themselves and for us, and our gratified customers speak to their friends. The result is increased orders and satisfaction all round.

It is now six years since the Ontario Seed Co. started growing seeds for the Canadian people. It was the first attempt on a commercial basis to raise acclimatized seeds in Canada.

Necessarily as in all pioneer industries, the output was small, but it proved of first class quality, and we can say with confidence that we have improved the strains of vegetable and farm seeds, notably, Mangel, Radish, Lettuce and Corn. As in all such cases our efforts have been copied which in itself is a compliment. We are glad to note this as when the demands justified by the sound economic and scientific facts increase, the status and importance of the Home Seed Grower will increase. The paramount importance of good germinating and true to name seeds is more and more recognized and by none more so than by the Government, both Dominion and Provincial. Strict laws regulating the sale of seeds have been issued and assistance has been given in order to promote such a laudable infant industry.

Knowledge of the principles of the raising of plants from acclimatized seeds have been so widely disseminated by the Press and by Government Bulletins that it is hardly necessary to say many words on the point.

Our endeavor has been always to pick out the strongest and best plants as the bearers of our stock seeds. There is nothing mysterious in raising pedigreed seeds. The efforts of the breeders of cattle are well known and the results are looked upon in a matter of fact manner.

Plants though belonging to the Vegetable Kingdom are living organisms and answer just as readily to intelligent crossing and selection.

However, although we have devoted much skill, time and money to this important work our production is of course relatively small at present, but our Home Grown seeds we consider as the "de luxe" seeds of Canada.

It behoves every one desirous of getting good crops and comparing results with other sources of supply to order early. The orders are sent out in rotation, therefore although you may not require the seeds until May it would be judicious to order in January.

While we have dwelt on this part of our business at length, we would point out that our imported seeds are as good as it is possible to procure. It will be many a long year until Canada produces a tithe of the seeds necessary to meet demands. In fact in many cases particularily in Flower seeds, importations will always be made. We know the best sources of supply and which Country produces the best of its specialties and this knowledge will be found of advantage to our customers. We are particular in all points and paticularly in ordering. We do not order large quantities in order to get better terms and have to carry stock over. We order as near as possible what our trade each season requires, and thus the seeds are fresh at each sowing time. We test all seeds on arrival thus checking our growers. By ordering early all kinds of seeds, our customers can rely in getting their orders in two or three days, as we try to send out each day's orders the same day as received.

If many orders are held over until the sowing season, a congestion may occur and cause a little delay, but no matter when received all orders large and small receive the personal attention of our principals. Our prices are moderate, our quality of goods unsurpassed, and our methods of business are cordial and helpful.

Do not hesitate to ask us about anything connected with the garden or farm, we will promptly and cheerfully send you a reply which will be of value to you.

Conditions and Instructions to Buyers.

CASH WITH ORDER: As we do not ship anything C. O. D. to avoid delay and unnecessary expenses, you will kindly remit the amount with every order. The safest way to send money is by Postal Money Order, Express Order or Bank Draft. Money should only be sent by registered letter, postage 7c. Up to one dollar we will take 2c and 5c stamps in payment. All checks must be payable without discount in Waterloo, Ont.

NAMES AND ADDRESSES: Please sign every order plainly with your name and address, and fill out carefully the blanks in order to avoid mistakes.

GUARANTEE: We do everything within our power to satisfy our customers and take every precaution to send out only first class goods. We cannot give any warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds we send out, and we will not be responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned immediately.

PREPAID POSTAGE: We ship all vegetable and flower seeds by mail prepaid at the prices of our catalogue, except where specially noted. Please add 5c per lb. for beans, corn, peas, field root and farm seeds, etc., if those seeds are wanted by mail. When ordering large quantities please be sure to state whether you want the goods by Express or Freight. If these instructions are missing, we will use our own judgment, but will not be responsible for any extra costs.

WE GUARANTEE SAFE ARRIVAL of all packages. If seeds, etc., are not received within a reasonable time, send exact copy of order, date sent, stating amount of remittance, kind of remittance (Draft or Money Order), and same will be investigated immediately.

OUR PRICES are without engagement and subject to change without notice. The prices for agricultural and field seeds are f. o. b. Waterloo and subject to market changes.

All goods are carefully checked to avoid mistakes and delays.

Ontario Seed Co. Successors,

WATERLOO, ONTARIO, CAN.

We call your attention particularly to the fact that under the new tariff, seeds in packages from the United States of not more than ONE POUND cost 25 per cent. duty, therefore buy in Canada.

SPECIAL COLLECTIONS.

To introduce our seeds and to simplify the choice for our customers, we offer these collections at low rates as trial inducements. We cannot possibly allow any variations from the varieties mentioned.—Please do not ask us.

A small garden would enhance the attractiveness of many farms. Changes of diet can be made more readily when a supply of succulent vegetables are obtainable. The work is light and is always a source of delight and interest.

FARM GARDEN COLLECTION.

ONLY $1.00 POSTPAID. WORTH $2.00.

1 pkt. ~~¼ lb.~~ Beans, Wax
1 " ~~¼ lb.~~ Beans, Green Podded
1 " ~~¼ lb.~~ Corn, Early Sugar
1 " ~~¼ lb.~~ Peas, Early Garden
1 pkt. Beets, Early Round
1 pkt. Cabbage, Early
1 pkt. Carrot, Garden
1 pkt. Cauliflower
1 pkt. Cucumber
1 pkt. Lettuce, Early Head
1 pkt. Lettuce, Curled
1 pkt. Onion, Large Yellow
1 pkt. Musk Melon, Early
1 pkt. Parsnip
1 pkt. Parsley, Curled
1 pkt. Pumpkin, Sweet or Sugar
1 pkt. Radish, French Breakfast
1 pkt. Radish, White Icicle
1 pkt. Tomato, Early
1 pkt. Turnip, Table Variety
1 pkt. Marjoram
1 pkt. Sage
1 pkt. Savory
1 pkt. Spinach
1 pkt. Thyme
5 pkts. Flower Seeds. Our selection including Aster
1 pkt. ~~½ lb.~~ Mangel, "Our Ideal"

TRIAL COLLECTION.

ONLY 50c. POSTPAID. WORTH $1.00.

1 pkt. Beans, Yellow Podded
1 pkt. Beets, Early
1 pkt. Cabbage, Early Winningstadt
1 pkt. Cabbage, Late Brunswick
1 pkt. Carrots, Half Long Nantes
1 pkt. Cauliflower
1 pkt. Cucumber, Early Short Green
1 pkt. Lettuce, Head, Early
1 pkt. Lettuce, Grand Rapids
1 pkt. Onion, Yellow Danvers
1 pkt. Radish, Round Red
1 pkt. Radish, White Icicle
1 pkt. Turnip, Table Variety
5 pkts. Flower Seeds. Our selection including Asters.

FLOWER SEED COLLECTION.

ONLY 50c. POSTPAID. WORTH $1.00.

18 packages, our selection, including

Asters, Stocks, Sweet Peas, Pansies, Nasturtiums, Mignonette, etc.

To encourage gardening among the young, we offer a cheap collection as below. The packages are filled in the same liberal manner as for "grown ups." Set aside a small portion of the garden for the children.

Apart from the great benefit to health, the art of gardening inculcates a love for nature and endears the home to the child.

CHILDREN'S COLLECTION.

ONLY 25c. POSTPAID. WORTH 50c.

This collection contains one package of each:

Carrots, Radish, Beets, Lettuce, Onion, Cucumber, Corn, Peas, Beans, Turnip and 5 packages Flower Seed, including Aster of finest quality.

ATTENTION OF ALL
IS DIRECTED TO OUR SPECIALTIES.

Undernoted please find a list of our Home-grown Tomato Seed and also other noteworthy novelties.

TOMATO. Earliana. A well known variety. Medium size. Splendid color and slightly flat in shape. Pkt. 5c; Oz.. 60c

TOMATO. Chalks Early Jewel. One of our handsomest varieties, being of a most symmetrical round shape. Pkt. 5c; Oz. 60c.

TOMATO. Early Wealthy. A very fine shaped variety. Fruits are all of a medium, uniform size. Pkt. 5c; oz. 60c.

TOMATO. Greater Baltimore. Not so early as some others but a huge producer of enormous fruits: Pkt. 10c; Oz. 60c.

Tomato—Earliana.

TOMATO. Plentiful. The well known potato-leaved pink variety' Pkt. 10c; Oz. 60c. These tomatoes have all been bred for years in Canada and in addition to their original merits we have bred into them **earliness** and **productiveness**— most important points for growers.

RADISH. Non Plus Ultra. A very fine forcing variety. Of medium size and vivid scarlet color. Our strain is extraordinarily uniform. Pkt. 5c; Oz. 10c.

RADISH. Rosy Gem. A splendid success has been made with this excellent white tipped variety. Pkt. 5c; Oz. 10c.

RADISH. White Icicle. We take particular pride in the improvements we have effected on this Radish. Our confidence in it is so strong that we will let our reputation stand or fall by this seed. Pkt. 5c; Oz. 10c.

BEANS.

	pkt.	lb.
Hudson's Wax ..... Davis White Wax .... Giant Wax or Flageolet Golden Wax	.05	.20

5c extra per lb. by mail.

BEANS—Hodson Wax.

Onions—Yellow Globe Danvers.

ONION. Red Wethersfield. The red onion par excellence. Our strain is grown from selected bulbs. Pkt. 5c; Oz. 20c.

Onions—Red Wethersfield.

LETTUCE. May King. Originally a German variety but bred by us for years so that it is acclimatized. We recommend this strain. Pkt. 5; Oz. 20c.

ONION. Yellow Globe Danvers. It is most important that this seed should be Canadian grown. To sow such seeds ensues an absence of so many thicknecks which is often caused by imported seed. The importance of this is obvious. Pkt. 5c; Oz. 20c.

CORN. Devitt's Earliest Sugar. This is one variety of seed which claims Waterloo as its original home. Since it was originated here about 36 years ago it has been improved and when we untertook its distribution we determined to make it a specialty. It is of medium height with small white cobs, quite distinct from anything else. The flavor is its greatest recommendation. Pkt. 5c; Lb. 25c. (5c extra per lb. by mail).

The produce of these Seeds won the Dinner Set at the Saskatchewan Exhibition 1912.

HIGH QUALITY VEGETABLE SEEDS.

For hints on cultivation see page 20.

These seeds are procured from the best sources and will be found to conform not only with the letter of the law but with the spirit thereof.

NOTE.—We send all seeds free when sold at package and ounce rates. Please add 5c per pound for postage when buying at pound rate.

ARTICHOKE. Artichaut. Artischoke.

	pkt.	oz.
Large Green Globe	.05	.50

ASPARAGUS. Asperge. Spargel.

	pkt.	oz.	lb.
Conover's Colossal .	.05	.10	.60
Palmetto	.05	.10	.75

BEANS. Haricots nains. Buschbohnen
(Dwarf, Wax and Butter.)
Please add 5c. per lb. if wanted by mail.

	pkt.	lb.	5 lb.
Wardwell's Kidney Wax	.05	.20	.85
Black Seeded Wax			
Detroit Wax			
Stringless Wax			
(Dwarf, Green Podded.)			
Red Valentine	.05	.20	.85
Early Mohawk			
Refugee or 1000 to 1			
Early Six Weeks ..			
(Lima.)			
Lima Broad	.05	.25	1.10
Burpee's Bush Lima			

BEANS. Haricots a rames. Stangenbohnen.
(Pole or Running.)

Kentucky Wonder or Old Homestead	.05	.30	1.25
Early Dutch Case Knife			
Scarlet Runners ...			

BEANS. (English).

Broad Windsor	.05	.30	1.25
Bush Hinricks Giant			

BEETS. Betteraves. Gartenruebe.

Beet, Dark Red Flat Egyptian

	pkt.	oz.	¼ lb.
Dark Red Flat Egyptian	.05	15	.50
Eclipse Dark Red Turnip	.05	.15	.50

Home grown, one of the best varieties, scarlet color, flesh not stringy.

Beet, Edmand's Dark Red Turnip.

	pkt.	oz.	¼ lb.
Edmand's Dark Red Crimson Globe	.05	.15	.50
Extra Long Deep Blood Red			
Half Long Deep Blood Red			

Borecole or Kale.

BORECOLE OR KALE. Chou frise. Winterkohl.

	pkt.	oz.	¼ lb.
Curled Scotch ..... / Dwarf Curled German	.05	.40	1.30

BROCCOLI. Chou Brocoli. Spargelkohl.

	pkt.	oz.	¼ lb.
Walcheren	.05	.45	1.30

BRUSSELS SPROUTS. Chou de Bruxelles. Rosenkohl.

	pkt.	oz.	¼ lb.
Semi-dwarf.	05	.50	1.50

CABBAGE. Chou pomme. Weisskraut. Early Varieties.

All Head...	.05	.25	.85
Henderson's Early Summer ..... / Early Winningstadt... / Early Jersey Wakefield..	.05	.20	.60

Second Early Varieties.

All Season Glory of Enkhuizen.	.05	.20	.70

Can thoroughly recommend, splendid firm heads of good texture and flavor.

Henderson's Succession.	.05	.20	.70

Late Varieties.

Large Magdeburg (Round ..... / Danish Ball Head / Large Drumhead.	.05	.30	1.00
Filder ..... / Surehead	.05	.30	1.00
Large Brunswick (Flat)	.05	.20	.75

CABBAGE, RED. Chou rouge. Rotkraut.

	pkt.	oz.	¼ lb
Early Red Dutch or Berlin ..... / Mammoth Red Rock ..... / Extra Dark Red Dutch	.05	.25	.90

CABBAGE, SAVOY. Chou de Milan. Wirsing.

	pkt.	oz.	¼ lb.
Early Brunswick .. / Large French Drumhead	.05	.20	.70

Savoy, Drumhead.

Cabbage Danish Ball Head.

CAULIFLOWER. Chou-fleur. Blumenkohl.

The seed we procure of this succulent vegetable is from the best source in Europe. We have tried it on our own farm and found it excellent.

	pkt.	oz.
Early Dwarf Erfurt ..... / Early Snow Ball	.25	2.50
Danish Giant or Dry Weather.....	.25	2.50
Half Early Paris	.05	.90
Italian or Veitch's Autumn Giant	.05	.60
Giant Erfurt	.10	1.10

The produce of these Seeds won the Dinner Set at the Saskatchewan Exhibition 1912.

CELERY. Celeri. Sellerie.

	pkt.	oz.
Paris Golden Yellow Dwarf or Self-Blanching (French Grown)	25	3.50
This is the best French Seed.		
Early White Plume	05	.75
Prizetaker Red	05	.30
Giant Pascal, White Solid	05	.30

CELERIAC OR TURNIP ROOTED

	pkt.	oz.
Celeriac.		
Prague Giant	.05	.40

	pkt.
CHERVIL. Cerfeuil. Kerbel.	.05
CHICORY ROOT. Chicoree.	
Cichorie oder Kaffeewurzel. p.	.05

	pkt.	oz.	¼ lb.
CITRON. For Preserving (Red Seed)			
Colorado Preserving (Green Seed)	.05	.15	.40

CORN, SWEET. Ble d' Inde. Mais.
(Bushel 40 lbs.)

Please add 5c. per lb. if wanted by mail.

	pkt.	lb.	5 lb.
Golden Bantam	.05	.30	1.20
Extra Early			
Crosby's Early Sugar, First of All, White Cory	.05	.20	.70
Medium Early Varieties.			
Black Mexican, Perry's Hybrid	.05	.20	.70
Late Varieties.			
Stowell's Evergreen, Country Gentleman	.05	.25	.80

CRESS. Cresson. Kresse.

	pkt.	oz.	¼ lb.
Extra Curled, Broad Leaved	.05	.10	.30

CUCUMBER. Concombre. Gurke.

	pkt.	oz.	¼ lb.
Chicago Pickling, Early White Spine, Cool and Crisp, Early Short Green, Early Short Cluster, Early Russian or Gherkin, Fordhook Pickling, Giant Pera	.05	.15	.50

CUCUMBER. Improved Long Green.

	pkt.	oz.	¼ lb.
Improved Long Green, Livingstone's Evergreen, Klondike Long dark	.05	.15	.50

CUCUMBER.—For Greenhouse Forcing.

	Pkt.
Rollison's Telegraph, Noah's Forcing	.25

Cucumber, Chicago Pickling.

EGG PLANT. Aubergine. Eierpflanze

	pkt.	oz.
Early Long Purple	.05	.40

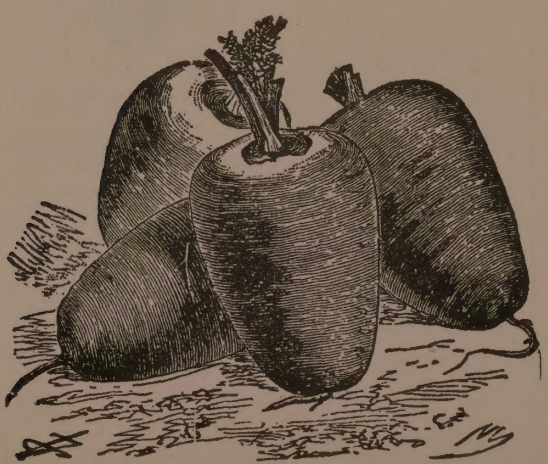
ENDIVE. Chicoree frise. Endivien.

	pkt.	oz.	¼ lb.
Broad Leaved Batavian (Escarolle)..	.05	.15	.50
Early Green Curled or Moss Curled			

GARLIC. Ail. Knoblauch.

See Page 13.

CARROT. Carotte. Moehre.



Carrot, Oxheart.

	pkt.	oz.	¼ lb.
Oxheart, Guerandeor Early Gem .... .. Chantenay.... Nantes ..... Long Red Aldringham .... Early Scarlet Short Horn..	.05	.20	.70

HORSE RADISH. Racines de Raifort. Meerettig.

See Page 13.

KOHLRABI. Chou rave. Kohlrabi.

Kohlrabi.

	pkt.	oz.	¼ lb.
Early White Vienna..... Early Purple Vienna	05	.20	.70

LEEK Poireau. Lauch.

	pkt.	oz.
Large Musselburg or Carentan	.05	.15

LETTUCE. Laitue. Salat.

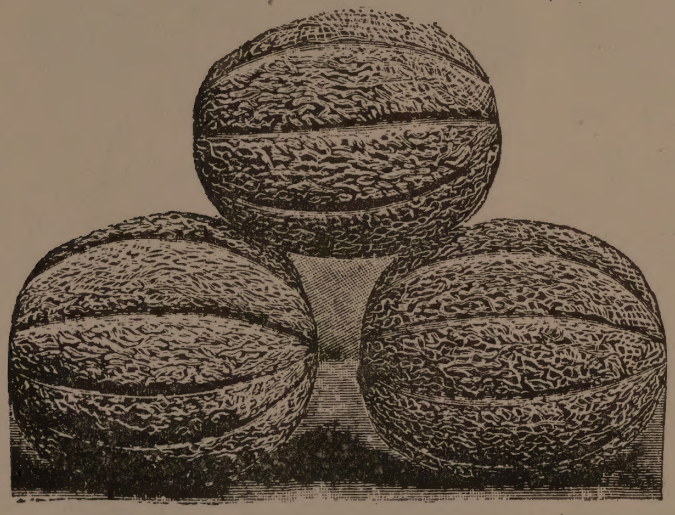
	pkt.	oz.	¼ lb.
Yellow Stubborn head, W. S. ..... Yellow Solidhead, Brown S.	.05	.20	.60
Iceberg, W. S. .... Trianon Cos ..... Emperor (for forcing)			
Black Seeded Simpson ..... Big Boston W. S. Denver Market W. S.	05.	-20	.60

	pkt.	oz.	¼ lb.
Hanson, W. S.			
Nonpareil W. S. ..			
Butter Cup			
A variety with extremely yellow leaves, never gets bitter and has an excellent flavor..	.05	.20	.60
Curled Silesian W. S. loose leaf			
Grand Rapids B. S., loose leaf			
Well known forcing variety, selected strain			

CORN SALAD. Mache. Rabinschen oder Feldsalat.

.....	.05	.10	.30

MELON, Musk Melon. Zuckermelone.



Muskmelon, Early Hackensack.

	pkt.	oz.	¼ lb.
Early Hackensack .			
Montreal Nutmeg			
Paul Rose (Petoskey)			
Rocky Ford or Early Netted Gem	.05	.15	.50
Fordhook			

MELON, WATER. Melon d'eau. Wassermelone.

	pkt.	oz.	¼ lb.
Coles Early			
Peerless			
Burpee Early	.05	.15	.50
Sweetheart			

MUSTARD. Moutarde. Senf.

	pkt.	oz.	¼ lb.
White	.05	.10	.25

ONION. Oignon. Zwiebel.

	pkt.	oz.	¼ lb.
Southport Red Globe	05	.30	.90
Early Large Red Globe	.05	.20	.60
Giant Prizetaker	.05	.20	.60
Mammoth Silver King	.05	.25	.80
White Queen Pickling	.05	.20	.60
Paris Silverskin Pickling	.05	.20	.60
White Barletta Pickling	.05	.20	.60
Yellow Flat Danvers	.05	.20	.60
Southport Yellow Globe	.05	.30	.90

ONION SETS. Oignon. Setzzwiebel.

	½ lb.	lb.
Dutch Sets Yellow	.15	.25
Dutch Sets White	.20	.35
Shallots	.15	.25
White Multipliers	.20	.40
English Potato Onions	.20	.40
Perennial Onion Sets (in Fall)	.15	.25

Prices subject to market.

ORACH. Epinard. Bergspinat.

pkt. 5c, oz. 10c, ¼ lb. 25c.

PARSLEY. Persil. Petersilie.

Champion Moss Curled			
Triple Curled .	.05	.15	.35
Turnip Rooted			

PARSNIP. Panais. Pastinake.

Hollow Crown, Student or Guernsey 05	.10		.20

This is our own growing.

PEAS. Pois. Erbsen.

(Wrinkled Varieties Marked*).
Please add 5c. per lb. if wanted by mail.

Extra Early Varieties.

	pkt.	lb.
Alaska Extra Early	.05	.30
Duke of Albany	.05	.35
Thomas Laxton	.05	.40
*American Wonder	.05	.30
Brunswick Green, highly recommended	.05	.30
Second Early Main Crop Variety.		
*Champion of England	.05	.30
Pride of the Market	.05	.30
*Stratagem Improved	.05	.35
*Tall Telephone	.05	.30
Edible Pod Variety.		
Dwarf Grey Sugar	.05	.30

PEPPER. Piment. Pfeffer.

	pkt.	oz.
Large Squash or Bull Nose Long Cayenne Red Chili Ruby King or Giant	.05	.40

POTATOES. Pommes de terre. Kartoffeln.

Our potatoes are true to name and free from disease.
(Subject to market fluctuations).

Extra Early Ohio Pierce's Early Irish Cobbler Sensation Money Maker	Prices on application.

PUMPKIN. Citrouille. Kuerbis.

	pkt.	oz.	¼ lb.
Large Cheese	.05	.10	.30
Large Field		.05	.15
Small Sugar or Sweet	.05	.10	.30
Mammoth King or Jumbo	.10	.25	.75
Golden Melon (Biggest Variety, fine for canning).	.10	.20	.60
Japanese Pie	.05	.20	.60

RADISH. Radis. Rettig oder Radies'chen.

Round Varieties.

	pkt.	oz.	¼ lb.
Crimson Giant Early Scarlet Turnip White Tipped Early White Turnip Scarlet Globe Scarlet Button	.05	.10	.30

Olive Shaped Varieties.

French Breakfast Scarlet Olive Shaped White Olive Shaped	.05	.10	.30

Long Varieties.

Chartier Long Scarlet White Tipped Long Scarlet	.05	.10	.30

Winter Varieties.

Round Black Spanish Long Black Spanish Munich Bierrettig California Mammoth White Scarlet China (China Rose) White Chinese (Celestial)	.05	.10	.35

RHUBARB. Rhabarbe. Rhabarber.

Rhubarb should be in every garden, requires little care and gives great results. The seed we offer is our own growing.

	pkt.	oz.	¼ lb.
Victoria	.05	.30	1.00

SALSIFY. Salsifis. Haferwurzel. oder Bocksbart.

Mammoth Sandwich Island	.05	.20	.60

SPINACH. Epinard. Spinat.

Spinach, Victoria.

	pkt.	oz.	¼ lb.
Victoria Bloomsdale or Savoy Leaved Round or Summer	.05	.10	.20

SQUASH. Gourge. Speisekuerbis.

Squash, Golden Hubbard.

Golden Hubbard	.05	.15	.40
English Vegetable Marrow	.05	.20	.35
Summer Crookneck Essex Hybrid Boston Marrow Green Hubbard	.05	.15	.40

The produce of these Seeds won the Dinner Set at the Saskatchewan Exhibition 1912.

	pkt.	oz.	¼ lb.
SWISS CHARD	.05	.10	.25

TOBACCO. Tabac. Tabak.

Canadian Seed Leaf Red Canadian ..... Connecticut Seed Leaf	.05	.30	
Havanna	.05	.60	

TOMATO. Tomate. Liebesapfel.

	pkt.	oz.	¼ lb.	lb.
First of all ..... Matchless	.10	.40	1.50	
Acme Pink ..... Atlantic Price or Early Ruby ..... Best of All ..... The Stone ..... Golden Queen ..... Mikado ..... Livingstone's Perfection	.05	.30	1.00	
Tree Tomatoes .... Small Fruit Tomatoes Mixed ..... Pear Shaped ..... Yellow Cherry .... Strawberry or Husk	.10	.45		
Early Thorburn	.05	.30	1.00	

TURNIP. Navet. Weisse Ruebe.

	pkt.	oz.	¼ lb.
Extra Early Purple Top Milan ..... Extra Early White Milan	.05	.10	.35
Snowball or Early Stone ..... Golden Ball or Orange Jelly ..... Six Weeks or Nimble Dick ..... Early Purple Top Strap Leaf ..... White Dutch Strap Leaf	.05	.10	.25

HERBS. Herbes. Gewuerzkraeuter.

	pkt.
Anis	
Borage ..... Caraway ..... Coriander..... Dill ..... Fennel ..... Horehound ..... Hyssop ..... Lavender ..... Marjoram, Sweet ..... Rosemary ..... Sage. Broad Leaved ..... Sorrel ..... Summer Savory ..... Thyme ..... Woodruff ..... Wormwood	.05

ROOTS.

These will be supplied from our own grown when ready to be lifted, except Garlic which we can sent with seeds.

RHUBARB. Rhabarbe. Rhabarber.

	each	doz.
By Express forward	.10	1.00

GARLIC SETS. Ail. Knoblauch.

Garlic.

	lb.
Postpaid	.35

HORSE RADISH. Racines de Raifort. Meerrettig.

Horse Radish.

	each	4 roots	doz.
Postpaid	.10	.20	.50

The produce of these Seeds won the Dinner Set at the Saskatchewan Exhibition 1912.

AGRICULTURAL SEEDS

Our Seeds are tested and all conform to the Government Standards. Prices of many of the undernoted fluctuate. We will charge according to prices ruling on day of ordering.

We offer the very best grades, good plump seeds which will produce strong healthy plants.

We would advise farmers to buy clover and grain seeds from a seed house, as all seed firms are visited by inspectors who pay special attention to agricultural seeds.

Add 5c. per lb. for postage if wanted by mail.

MANGEL.
Betterave fouragere.
Futterruebe.

MANGEL "Our Ideal."—Yellow, heavy cropper; easily harvested; excellent keeper of highest feeding value. Farmers who have tried this variety are enthusiastic about it. The demand as a rule always exceeds the supply of this mangel.

On Feb. 10th and 11th, 1910, at the Sixth Annual Meeting of the Canadian Seed Growers' Association, a paper was read by E. S. Archibald, Esq., B. S. A., Truro, N. S., entitled, "Operations on Experimental Plots in Nova Scotia." The following excerpt will be of interest to our friends and customers:

"However important the raising of corn may be in some districts of our province, root-growing will always predominate. In the testing of the varieties of mangels and turnips, seed has been procured from various seedmen in Canada and England. I would like to mention particularly in the mangel test, the fact that the Canadian Grown Seed variety, "Tankard Ideal," procured from the Ontario Seed Co., Waterloo, Ont led all varieties with a yield of 1020 bush.el per acre."

	¼ lb.	lb.
Our Ideal	.15	.40
Giant Yellow Intermediate, Golden Tankard, Red Globe, Yellow Globe, Long Yellow, Mammoth Long Red, Yellow Leviathan	.15	.35

MANGEL, OUR IDEAL.

SUGAR BEETS for Stock Feeding.
Betterave a sucre. Futterruebe.

	¼ lb.	lb.
Royal Giant or Half Sugar Rose, Canadian Giant Sugar Mangel, Purple Top Sugar	.15	.40

FIELD CARROTS.

Carotte des Champs. Futtermoehre.

	¼ lb.	lb.
Long White Belgian.....		
Short White	.40	1.25
Vosges		

SWEDES. Chou Navet. Schwedruebe

(Purple Top Varieties).

	¼ lb.	lb.	4 lbs.
Hall's Westbury ...			
White Purple Top..			
Elephant or Monarch	.10	.30	1.00
Magnum Bonum ..			

5c per lb. extra if wanted by mail.

(Bronze and Green Top).

Kangaroo			
Selected Haszard's Improved	.10	.30	1.00
Hartley'sBronzeTop			

TURNIP. Navet. Feldruebe.

(For Fall and Early Winter Feeding).

	¼ lb.	lb.	4 lbs.
Purple Top Yellow Aberdeen			
Cow Horn or Long White	.10	.25	.90
Greystone			
Red Top Strap Leaf			

FIELD CORN. Ble des Champs. Futtermais.

Flint varieties:	
Comptons Early	Prices fluctuate;
Longfellow	Ask for prices
Dent varieties:	on quantities.
White Cap Yellow	
Leaming Improved	

FIELD PEAS. Poie des Champs. Futtererbse.

	lb.	10 lbs
White Marrowfat		
Golden Vine	.08	.75

CLOVER.

White Clover	Our different
Crimson Clover ...	grades are sold at
Red Clover	the lowest mar-
Timothy	ket prices; ask
Alfalfa	for samples and
Alsike	prices.

FORAGE PLANTS, ETC.

	10 lbs.	100 lbs.
Tares or Vetches ...	.50	4.50
Speltz or Emmer ...	.30	2.75
Millet Common	.40	3.50
Millet German	.45	4.00
Millet Hungarian....	.40	3.50
Buckwheat Common	.30	2.50
Buckwheat Japanese	.35	3.00
Flax	.65	6.00

	lb.	10 lbs.	100 lbs.
Dwarf Essex Rape ..	.10	.90	8.50
German Rape	.10	.90	8.50
Canary Seed	.10	.90	8.50
Hemp Seed	.10	.90	8.50
Lentils	.15	1.20	
Spring Rye	.10	.90	
Soy Beans	.10	.90	

GRASS SEEDS.

	lb.
Orchard Grass	.30
Kentucky Blue Grass	.30
Perennial Rye Grass	.20
Fescue Grass	.40
Wood Meadow Grass	.60
Bromus inermis Grass	.25
Blue grass, Canadian	.20

5c. extra if wanted by mail.

LAWN SEEDS

The beauty of a picture is thrown up and enhanced by a beautiful frame. Much more so is the neatest or architectural beauties of a house shown to the best advantage by a good lawn. Many people have neither the time, means or inclination to make flower beds, but a pleasing effect to the eye can be readily obtained by sowing down a good lawn. Some are deterred by the idea, an entirely erroneous one, that lawns are difficult to establish and maintain. There is certainly a deal of bother in sodding a lawn and the result is often unsatisfactory. Seeding a lawn is much easier and produces better and more uniform results. The seed must be good or the result will be disappointing. We have made up well-balanced mixtures of clean grass seeds of high vitality which we know will produce good results. In making up a lawn, two important things must be considered; the preparing of the soil and the draining of the ground. The beauty of a lawn consists in the eveness of its surface and the richness of its verdure. The latter can only be produced on well-drained soils. For most soil, drains 30 inches deep are ample, and the distance apart depends on the nature of the soil. Be sure that the depth of soil is uniform. The ground should be dug to an equal depth apply a good dressing of manure. Then it should be rolled, then raked two or three times until the surface is levelled. Sow the seed thickly at the rate

of 1 lb. to every 300 square feet, rake the seed in lightly and finally roll firmly. Do not mow the lawn too closely the first two or three times, especially in hot weather. Roll frequently, thus assuring a close, compact growth. In the early Spring, apply our special Lawn Fertilizer, for price of which kindly ask. We handle three grades of lawn Grass seed.

VICTORIA MIXTURE ..... **40c.**
CANADIAN MIXTURE ..... **30c.** } **PER LB.**
SHADY NOOK MIXTURE ..... **45c.**

The Victoria Mixture is composed of a greater variety of grasses than the Canadian Mixture, and will produce a better colored lawn. All mixtures have the proper proportion of White Dutch Clover.

Poor Seed invariably causes loss and disappointment. The cheapest is NEVER the best. The BEST is never the CHEAPEST.

Lawn Fertilizer, 10c. per lb.; 75c. per 10 lbs.

GRASS SEEDS AND CLOVER FOR LAWNS.

Kentucky Blue Grass	30c	per lb.
Red Top	30c	
Rhode Island Bent	50c	
White Dutch Clover	60c	

FLOWER SEEDS

For cultural directions see page 22.

Abronia Umbellata Pkt.
Hardy Annual..... .05

Abutilon.
Prize Mixed..... .10

Ageratum.
Splendid half-hardy Annual for edging.
Mexicanum Blue.... .05

Acroclinium. Pkt.
Roseum.....10

Alyssum.
Sweet or Beenthami..05
Little Gem.....05

Amaranthus.
Hardy Annuals grown for their fine colored foliage.

Tricolor (Joseph's Coat) ..... Pkt. .05
Cruentis (Princess Feather) ..... .05
Salicifolius (Fountain Plant) ..... .05
Caudatus (Love-lies-bleeding) ..... .05

Ampelopsis Veitchii.
(Boston Ivy) ..... .10

Antirrhinum. Snapdragon.
Indispensable and free-flowering Annuals. Pkt.
Tall—Mixed ..... .05
Tom Thumb Dwarf Mixed .... .05
Queen of the North White ..... .05
Dwarf—White ..... .05

Aquilegia. Columbines.
Mixed Single ..... .05

Arctoctis. Lilac Daisy.
Grandis ..... .10

Asperula.
Odorata (Woodruff) ..... .10

Asparagus.—Greenhouse Grown.
Plumosus Nanus ..... .25
Sprengeri ..... .10

ASTERS.
Nothing is more effective than a good bed of Asters. We have them in the following well-known varieties, which we consider the cream of the Asters. Our strains are from the very best European specialists.

Perfection Asters.
In colors and mixed ..... .10

Comet, Giant.
In colors and mixed ..... .10

Victoria.
In colors and mixed ..... .10

Semple's Branching. Pkt.
Mixed ..... .10

Betteridge's Quilted Aster.
Mixed ..... .05

Bellis Perennis (Daisy).

Bellis Perennis (Daisy).
Double Mixed ..... .05

Balsam.
Double Fine Mixed ..... .05
Double Rose ..... .05

Begonia.
Double Tuberous-rooted ..... .25
Single ..... .15

Brachycome Iberidifolia.
Swan River Daisy, Mixed ..... .10

Calceolara. The most magnificent of Pot Plants. Can be grown in house. Pkt.
James' Giant Strain ..... .25
Calendula or Pot Marigold ..... .05
Calliopsis.
Mixed ..... .05
Candytuft. Iberis.
Mixed ..... .05
Sempervirens or Perennial 10
Canna.
Croszy's Choice Mixed ..... .10
Canterbury Bells.
Hardy perennial, easily grown.
Media, Single, Mixed ..... .05
Media, Double, Mixed ..... .05
Celosia, Cristata Cockscomb.
Glasgow Prize ..... .10
Plumosa, Crimson ..... .10
Spicata ..... .10
Centaurea.
Cyanus Mixed ..... .05
Cyanus, Double Blue, Emperor William ..... .05
Imperialis, Mixed Colors ..... .05
Chrysanthemum.
Caronarium White ..... .05
Annual Mixed ..... .05
Cineraria Hybrida.
Dwarf, large flowering, Mixed .. .25
Clarkia.
Double Mixed ..... .05
Climbers.
Mixed ..... .05
Cobaea Scandens. Annual Climbers. Often grow 20 ft in a season.
Blue ..... .05
White ..... .05
Coleus.
Mixed ..... .25
Convolvulus.
Major, Mixed "Morning Glory" .05
Minor Mixed ..... .05
Cosmos.
Early Mammoth, Mixed ..... .10
Dwarf, Early, Mixed ..... .10
Cyclamen, Persicum Giganteum.
Crimson King ..... .30
Pure White ..... .30
Rubrum Red ..... .30
Atro Purpureum ..... .30
Fine Mixture of above ..... .25
Datura.
Mixed ..... .10
Dianthus.
Heddewigii, Mixed Single ..... .05
Heddewigii, Double Mixed..... .05
Dracaena. Best foliage house plants.
In sorts mixed ..... .10
Eschscholtzia. (California Poppy) .05
Feverfew. Good as an edging plant.
Golden leaves. ..... .05
Foxglove. Pkt.
Mixed ..... .05
Fuchsia.
Mixed ..... .25
Gaillardia.
Lorenzianna, Double Mixed .... .05
Annuals Mixed ..... .05
Gloxinia. Showy plants for green house, or dwelling.
Grandiflora Erecta, Mixed .... .50
Godetia.
Mixed ..... .05
Gourds.
Ornamental Mixed ..... .05
Crevillea.
Robusta ..... .10
Gypsophila.
Panniculata (Baby's Breath) .. .05

Helichrysum.

Helichrysum. Everlastings.
Double Mixed ..... .05
Hibiscus. Annual, two feet high, yellow with dark eye.
Africanus ..... .05
Crimson Eye ..... .10
Hollyhock.
Yellow ..... .10
Rose ..... .10
Crimson ..... .10
White ..... .10
Double Mixed ..... .10
Allegheny, Mixed, Very Fine .... .10
Helianthus. Sunflower.
California fl. pl. ..... .05
Globulus Fistulosus ..... .05
Dwarf Double ..... .05
Orion ..... .05
Cucumberifolius Miniature ..... .05
Mammoth Russian ..... .05

	Pkt.
Heliotrope.	
Giant Hybrid Mixed	.10
Humulus.	
Japonicus (Japanese Hop)	.10
Japonicus Variegatus	.10
Impatiens.	
Sultani	.20
Ipomea.	
Coccinea	.05
Noctiflora (Moon Flower)	.05
Quamoclit Mixed	.05
Larkspur. Delphinium.	
Double Rocket annual mixed	.05
Linaria.	
Cymballaria (Kennilworth Ivy)	.10
Lobelia. Most suitable for edgings, 4 to 6 inches high.	
Crystal Palace, Compacta Extra Fine	.10
Erinus, Emperor William, Dark Blue	.10
Speciosa	.10
Gracilis, Light Blue Trailing	.10
Paxtoniana	.10
Marigold.	
French Dwarf	.05
French Tall	.05
Marvel of Peru.	
(Four O'clock)	.05
Musk Plant.	
(Mimulus Moschatus)	.10
Maurandia.	
Mixed	.10
Mesembryanthemum. Iceplant.	
Crystallinum	.05

	Pkg.	Oz.
Mignonette.		
Machet, True Strain	.10	
Machet, Golden	.10	
Bismark or Improved Machet	.10	
Parsons White	.10	
Sweet Grandiflora, ¼ lb., 45c	.05	.15
Myosotis. Forget-me-not.		
Palustris, Alba	.10	
Alpestris, Victoria	.05	
Alpestris, White	.10	
Cerulea	.10	
Nasturtiums. (Dwarf Varieties).		
In leading, named varieties	.05	.15
Mixed	.05	.10
Tall or Climbing Sorts. In leading named sorts	.05	.15
Mixed ¼ lb., 30c.	.05	.10
Lobb's (Tropaeloum Lobbianum).		
In leading named sorts	.05	.15
Mixed	.05	.15
Nicotiana. Tobacco Plant.		
Atropurpurea Grandiflora	.05	
Affinis	.05	
Collossea	.05	
Pansy.		
Large Flowering Mixed	.05	
Perilla.		
Dark purple foliage, half-hardy annual.		
Nankinensis	.05	

Pansies.

	Pkt.
Petunia.	
Inimitable Striped, Double Mixed	.50
Fine Mixed	.05
Phlox.	
Decussata (Perennial)	.10
Drummondi Grandiflora, Mixed	.05
Pure White	.10
Splendens, Stellata	.10
Coccinea	.10
Isabellina, Pale Yellow	.10
Star of Quedlinburg, Mixed	.10
Fimbriata, Mixed fringed	.10
Poppy. For brilliancy these cannot be beaten. Try the perennial sorts.	
Single	.05
Annual Sorts Mixed	.05
Double Mixed	.10
Perennial Iceland Mixed	.10
Perennial Oriental Hybrid, Mixed	.10
Portulaca. (Dwarf hardy annual).	
Double Mixed	.10
Single Mixed	.05
Primula, Chinese Primrose.	
Coccinnea, Bright Crimson	.35
Alba Magnifica, Pure White	.50
Single Mixed	.25
Mixed Fringed	.35
Fern Leaf Mixed	.50
Double Fringed Mixed	.50
Obconica, Grandiflora, mixed	.10
Pyrethrum. Feverfew.	
Aureum (Golden Feather)	.10
Selaginoides (Fern Leaf)	.10
Ricinus. Castor Oil Plant.	
Sanguineus	.05
Mixed oz. .20.	.05
Salpiglossis.	
Grandiflora, Mixed	.05
Giant Emperor	.10
Salvia Splendens. Scarlet Sage.	
Dwarf Burning Bush	.10
Silver Spot	.10
Patens Blue	.20
Smilax. Trailing plants for bouquets and decorations.	
Choice	.10
Sweet William.	
Single Mixed	.05

Stocks, Dwarf	Pkt.
German Flowering 10 weeks	.10
Deep Red	.10
Pink	.10
Light Blue	.10
White	.10
Choice Mixed	.05

Sweet Peas.	pkt.	oz.
Finest Spencer Mixed	.10	.25
Choice Mixture	.05	.15
In leading named var's.	.05	.15
Cupid Mixed	.05	.15
Bush Mixed	.05	.15

Thunbergia. Very slender growing climbers, all colors.

Mixed	.05

Verbena.

Verbena.

Mammoth, Extra Choice, Mixed	.10
Hybrida, Choice Mixed	.05
Wallflower.	
Double German	.10
Single German	.05
Single Annual	.05
Wild Garden. A mixture of all kinds of hardy varieties	.05
Zinnia.	
Mammoth Flowering Mixed	.10
Double White	.05
Pompon or Dwarf Double Mixed	.05
Zebra, Striped, Mixed	.05

CULTURAL DIRECTIONS FOR GROWING SEEDS.

WE have thought it advisable this year to embody these Cultural Directions compactly in a few pages instead of distributing them throughout the Catalogue. They are carefully compiled and are based on our own experience around this district (Western Ontario) but with modifications suggested by different climatic and soil conditions; they are applicable to almost anywhere. We hope that this little guide will prove useful to our friends and customers. We supply good seed and it is up to the grower to give them every chance. These notes will help anyone to do so. When in doubt about growing anything, ask us. We will promptly send you full advice.

ARTICHOKE.—Sow in April in rich soil and transplant the following Spring to permanent beds (in rows or hills) three feet apart and two feet between the plants. Green Artichoke gives only a partial crop the first season, but the beds will be bearing for years. Protect in winter by a covering of leaves or coarse manure.

ASPARAGUS.—The seed should be sown in March or April, just as soon as the ground can be worked, in good, rich, mellow soil, in drills one foot apart then covered from ½ to ¾ inch deep. The following Spring the young plants should be set in their permanent places. The soil for them should be made as rich as possible, bearing in mind the beds are to bear a good many years, and it is easier to work in a good supply of manure before the plants are set, than after.

BEANS. BUSH.—To afford a regular succession of crops, plant every two weeks, from the middle of Spring to the end of Summer but not until the soil becomes warm, as they are very sensitive to both heat and cold. Plant in rows 18 inches apart, 2 inches deep; cultivate frequently, but only when dry, as the scattering of earth on the foliage or pods when moist will cause them to become damaged with rust.

POLE BEANS AND LIMA BEANS.—These are usually planted in hills and trained to poles, which should be 8 to 10 feet long and firmly set in the ground from 3½ to 4 feet apart each way. Draw around them a hill of earth and plant 4 or 5 beans to each hill, 1 inch deep, always observing to plant the eye of Bean down.

TABLE BEETS.—For general crop, sow about the middle of May. Soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin from 4 to 5 inches.

BRUSSELS SPROUTS.—One Ounce of Seed to 100 Yards of Row. Treat same as Cabbage. Autumn-grown sprouts, drilled in May and transplanted in July, generally do best, as the plants are quite hardy and the buds mellow under frost.

CABBAGE.—For the earliest supply, seed may be sown in September, and the plants wintered in cold-frames, or seed started in hot-beds or cold frames early in the Spring. For the fall crop the seed should be sown early in June, and the young plants transplanted to the rows during the latter part of July. One ounce of seed will sow 300 feet of drill; two ounces sown thinly should provide plants enough for one acre.

CELERY.—The seed may be sown in hot-beds or boxes in February and March, or in April in the open ground as soon as the field can be worked. When the plants are 3 inches high, transplant 4 inches apart, into temporary beds of soft, rich soil, where they will soon require sufficient strength for planting out in beds. Plant in rows 3 feet apart, and set 6 inches apart in rows. About the middle of August earthing up is necessary for blanching and widening of that which is wanted for early use.

CELERIAC OR TURNIP-ROOTED CELERY.—Grown exclusively for its roots which are turnip shaped very smooth, tender and marrow like. The roots are cooked and sliced and eaten with vinegar. They make an excellent salad. Are used for seasoning meats and flavoring soups.

CARROTS.—Carrots delight in sandy loam deeply tilled. For early crops sow in Spring as soon as the ground is in working order; for late crops sow anytime until the middle of June. Sow in rows and do not cover more than one-half inch deep. One ounce to 150 feet of drill; 3 pounds to the acre.

CAULIFLOWER.—If the soil is dry, water frequently and if the plants could have a heavy mulch of hay or straw, it would keep the soil moist and the plants would not suffer from a drought. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same time as

Cabbage. One ounce of seed produces 1,500 plants; 15,000 plants will cover one acre.

CHIVES.—The green tops which have a peculiar onion-like flavor are used for salad, and also in soups. Plants are perfectly hardy.

CORN.—Sweet or Sugar. The sweet sugar varieties, being liable to rot in cold or wet ground should not be planted before the ground has become warm, in hills three feet apart each way, covering about half an inch, and thin out to 3 plants to a hill. The extra early varieties can be planted 16 inches in the row and two and a half feet between the rows.

CUCUMBER.—For very early cucumbers, sow first of April in hot-bed, upon pieces of sod (grass side down), so that they can be readily transplanted to open ground, in rich soil, when danger of frost is over, or protect by hand glasses. For early use, plant, if weather has become settled and warm, in hills about 4 feet apart each way; thin out to 4 of the strongest plants to each hill after all danger from insects is over. For pickles, plant from June until the middle of July.

EGG PLANT.—1 oz. for 1000 Plants. Sow in hot beds first week in April; protect at night; plant out about June 1st. about 2½ feet apart.

ENDIVE.—One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

GARLIC.—A bulbous rooted plant, with a strong penetrating odor, but much esteemed by some for flavoring soup, stews, etc. We frequently receive orders for garlic seed, but we can only supply bulbs.

HORSE RADISH.—Horse radish produces no seed, but is grown from pieces of the roots. Mark off rows two and one-half feet apart in rich moist, well prepared ground, and set the pieces of roots eighteen inches apart in the rows, vertically, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

LEEK.—Sow the seed and care for the young plants as for onions, but they need more room in order to develop fully. Transplant to a prepared bed in rows one foot apart and four or five inches in the row. Set the roots deep and draw the earth to them when cultivating.

MELONS. MUSK.—One ounce will plant 75 hills. Cultivate in hills which should be five or six feet apart each way, and composed of light moderately rich soil. The hills should be dug about 2 feet deep, 18 inches square, and half filled with well-rotted manure, which must be thoroughly incorporated with the soil. Plant in May, ten seeds to the hill, and when the plants are well up, then out to three. Cultivate until the vines cover the ground and pinch the ends of the growing shoots to enduce early fruiting.

WATER MELONS.—One ounce will plant 50 hills. For cultivation see Musk Melon.

ONIONS.—Sow in rich, sandy soil, in drills one foot apart, as soon as the ground can be worked in Spring—at the rate of 4 or 5 lbs. to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds.

PARSLEY.—One ounce will sow 100 feet of drill. As the seed is slow in germinating it should be sown as early in Spring as possible in drills 1 foot apart and ½ inch deep. When the plants are well advanced thin out to 6 inches apart in the row.

PEAS.—Light, dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every ten days for succession. Sow single or double rows, from 4 to 6 feet apart, according to the different heights, about an inch apart in the row and 4 inches deep. Hoe often and keep the ground clean and fine.

RADISH.—For early use seed should be sown in the hot-bed, in drills, three or four inches apart and half an inch deep. For an early crop in the open ground, select a sandy soil and a warm south border, under the shelter of a fence or building, if possible, and sow thinly in drills ten inches apart. For a succession sow every two weeks until September. The Winter radish should be sown about the middle of summer, and makes its best growth in the Autumn.

RHUBARB.—Sow in May, in drills 12 inches apart, in rich soil. Transplant when sufficiently strong next season, in rows 2 feet apart, into deeply trenched heavy soil. Cover during winter with straw manure.

SALSIFY.—Vegetable Oyster. Same as the Carrot. Used for soups, stews, etc., and resembles the oyster in flavor.

SPINACH.—1 oz. for 100 feet of drill, 10 to 12 lbs. per acre. For summer use, sow early in the spring, as soon as possible, in rich soil in drills 1 foot apart; for spring use, sow late in the fall and protect with a covering of straw.

SQUASH.—One ounce will plant 50 hills. The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted 4 feet apart each way, and the winter sorts 8 feet. Three plants are sufficient for a hill.

TOMATO.—One ounce will produce 1,500 plants. This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set out four or five inches apart in another hotbed, or moved into small pots, allowing a single plant to a pot. About the middle of May the plants may be set out in the open ground. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot, and placing it in a sunny window of the room or kitchen.

TABLE TURNIPS.—1 oz. for 150 feet of drill; 2 lbs. per acre. For early use, sow as early in spring as ground can be worked, in drills 1 foot apart. Make successive sowings until August for general crops. Thin out to 6 or 8 inches. A light, rich soil is suitable.

FLOWERS.

GENERAL DIRECTIONS FOR SOWING SEEDS.

SOWING FLOWER SEEDS.—Nearly all flower seeds are very small, some of them being like fine sand, and they must therefore be sown very near the surface, with only a slight sprinkling of soil over them, and no seeds should be covered to a depth of more than two or three times their diameter. When the soil has been prepared as advised, level it with the rake, and pat it down with the spade to make it firm, and sow the seed over the surface in rows or patches as desired, but not too thick. Cover very lightly, and sprinkle a little fine, well-rotted manure over the soil, water carefully, and the operation is completed.

TRANSPLANTING.—Do not plant too close. Seedlings should be lifted from the seedbed with a trowel, so as to secure a ball of earth round the roots, but when they are growing thick in clumps they must be separated, and the best rooted seedlings, with plenty of small fibrous roots should be selected. The ground having been dug over and manured, open a space with a trowel sufficiently large to accommodate the plants which have been lifted with a ball, and carefully placing them into it, filling in the soil around them and making firm. The seedlings with bare roots can be planted by making a hole with a pointed stick large enough to allow the roots to drop down and hang perpendicularly; the soil should then be filled in and made firm. Zinnias and Stocks can be planted in such a way as to allow for thinning, as they always produce a percentage of single flowers which are useless, and as they flower when the plants are small, the single ones can be detected and pulled up, leaving the double flowered plants plenty of room.

THINNING OUT.—As flower seeds are generally sown far too thickly, it is often necessary to thin out the plants; this should be done as soon as they are fit to handle —when in the second or third leaf; transplant surplus if necessary, but do not allow the plants which remain to stand too close.

FEED YOUR PLANTS WELL.—Do not forget that all plants grown from seed can be greatly improved by liberal treatment. Old stable or cow manure can be used to advantage, but artificial fertilizers, such as blood or bone manure, superphosphates, and the "special," garden manure we offer, if used in smaller quantities, will give wonderful results; not only will they increase the vigour of the plants to which they are applied, but they will improve the size and brilliancy of the plants.

USEFUL TABLES

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF HILLS.

		Hills
Pole Beans	1 qt. to	50
Corn	1 qt. to	200
Cucumbers	1 oz. to	50
Watermelon	1 oz. to	30
Muskmelon	1 oz. to	60
Pumpkins	1 oz. to	20
Squash	1 oz. to	30

QUANTITY OF SEED REQUIRED FOR A GIVEN LENGTH OF DRILL.

		Feet of Drill
Asparagus	1 oz.	50
Beet	1 oz.	60
Beans, Dwarf	1 lb.	60
Carrot	1 oz.	150
Endive	1 oz.	100
Onions	1 oz.	50
Onion Sets	½ lb.	20
Parsley	1 oz.	125
Parsnip	1 oz.	150
Peas	1 lb.	50
Radishes	1 oz.	100
Salsify	1 oz.	60
Spinach	1 oz.	100
Turnips	1 oz.	150

NUMBER OF TREES or PLANTS TO THE ACRE OF GIVEN DISTANCE.

1 foot apart	43,500
1½ feet "	19,360
2 " "	10,890
2½ " "	6,960
3 " "	4,840
4 " "	2,632
5 " "	1,740
6 " "	1,210
9 " "	537
12 " "	302
15 " "	193
18 " "	134
21 " "	98
24 " "	78
27 " "	59
38 " "	40

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS

Asparagus	1 oz.	300 plants
Cabbage	1 oz.	2000 "
Cauliflower	1 oz.	2000 "
Celery	1 oz.	2500 "
Leek	1 oz.	1500 "
Endive	1 oz.	3000 "
Egg Plant	1 oz.	1000 "
Lettuce	1 oz.	3000 "

QUANTITY OF SEED REQUIRED FOR A GIVEN NUMBER OF PLANTS

Pepper	1 oz.	1000 plants
Tomato	1 oz.	1300 "
Tomato	1 oz.	1300 "
Thyme	1 oz.	4000 "
Sage	1 oz.	1000 "
Savoy	1 oz.	2000 "
Marjoram	1 oz.	1500 "
Rhubarb	1 oz.	500 "

WEIGHT PER BUSHEL AND AMOUNT OF SEED SOWN TO THE ACRE.

	Lbs. per bush.	Lbs. per. acre.
Alfalfa	60	20 to 30
Red Clover	60	12 to 15
White Clover	60	6 to 8
Alsike	60	8 to 10
Timothy	48	12 to 15
Blue Grass	14	30 to 40
Mixed Grasses	14	30 to 40
English Rye Grass	20	15 to 25
Oats	32	50 to 70
Barley	48	60 to 90
Corn (in hills)	50	10 to 20
Orchard Grass	14	20 to 30
Hungarian Millet	48	1 bush.
Common Millet	48	1 bush.
German Millet	48	1 bush.
Hemp	44	35 to 55
Flax	56	50 to 75
Buckwheat	48	25 to 50
Rye	56	80 to 100
Wheat	60	80 to 100
Peas Field	60	120 to 210
Onion Sets	34	150 to 200

IN DRILLS.

	No. of lbs. to acre
Beans, dwarf	75 to 90
Early Peas	65 to 85
Marrowfat Peas	60 to 80
Beets	6 to 8
Mangel Wurzel	4 to 6
Carrots	2 to 3
Onions	4 to 5
Onions for sets	20 to 30
Onion Sets	300 to 350
Parsnips	5 to 6
Radishes	8 to 10
Rutabagas	1½ to 2
Spinach	8 to 10
Salsify	10 to 12

RAISED from our "Home Grown Seeds."